PCR Purification:

Requirements:

—Omega E.Z.N.A.® Cycle Pure Kit
—PCR product
—100% ethanol
—Microcentrifuge capable of at least 13,000 x g
—Nuclease-free 1.5mL microcentrifuge tubes
—Sterile deionized water
—Electric dry oven of 65°C
—Water bath of 65°C

Before Starting:

—Heat sterile deionized water to 65°C using water bath
—Add 100mL 100% ethanol to the bottle of DNA Wash Buffer if there's no mark on the bottle and store at room temperature

Protocol:

1. Determine the volume of PCR product, and transfer the product into a clean 1.5mL microcentrifuge tube.
2. Add 4-5 volumes CP Buffer. For PCR products smaller than 200bp, add 6 volumes CP Buffer.
3. Vortex to mix thoroughly.
4. Insert a HiBind® DNA Mini Column into a 2mL Collection Tube.
5. Add the sample from Step 3 to the HiBind® DNA Mini Column.
6. Centrifuge at maximum speed (≥13,000 x g) for 1 minute at room temperature.
7. Discard the filtrate and reuse collection tube.
8. Add 700µL DNA Wash Buffer.
9. Centrifuge at maximum speed for 1 minute.
10. Discard the filtrate and reuse collection minute.
11. Centrifuge the empty HiBind® DNA Mini Column at maximum speed for 2 minutes to dry the column.
12. Transfer the HiBind® DNA Mini Column into a clean 1.5mL microcentrifuge tube. Open the lid and put it in the electric dry oven for 10 minutes to volatilize alcohol.
13. Add 40µL sterile deionized water directly to the center of column matrix.
14. Let sit at room temperature for 2 minutes.
15. Centrifuge at maximum speed for 1 minute.
16. Store DNA at -20°C.